



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	7.25	8.95	10.95	13.30									
20.0	6.99	8.65	10.60	12.90	15.60								
25.0	6.55	8.16	10.05	12.25	14.80	17.75							
30.0	6.13	7.67	9.47	11.55	14.00	16.80	20.00	21.40	23.70				
35.0	5.72	7.19	8.90	10.90	13.20	15.85	18.95	20.30	22.40	24.30	26.40	30.80	
40.0	5.32	6.71	8.33	10.20	12.40	14.90	17.80	19.05	21.10	22.90	24.80	29.10	33.80
45.0		6.22	7.74	9.50	11.55	13.90	16.65	17.80	19.75	21.40	23.30	27.30	31.80
50.0			7.14	8.78	10.70	12.90	15.40	16.55	18.35	19.95	21.60	25.40	29.60
55.0				8.03	9.78	11.80	14.15	15.20	16.85	18.35	19.95	23.50	27.40
60.0					8.83	10.70	12.85	13.80	15.35	16.70	18.20	21.40	25.10
65.0						9.48	11.45	12.30	13.70	14.95	16.30		
68.0							8.80	10.65	11.45	12.75			

50 Hz

ZH15K1P-TFM

R410A Dew Point

Cond °C	Power, kW												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	2.39	2.42	2.42	2.41									
20.0	2.56	2.59	2.60	2.60	2.58								
25.0	2.83	2.87	2.90	2.92	2.92	2.90							
30.0	3.11	3.17	3.21	3.25	3.27	3.27	3.25	3.23	3.20				
35.0	3.40	3.48	3.54	3.60	3.64	3.67	3.67	3.66	3.64	3.62	3.59	3.50	
40.0	3.72	3.81	3.90	3.98	4.04	4.09	4.11	4.12	4.12	4.11	4.09	4.03	3.94
45.0		4.19	4.29	4.39	4.48	4.55	4.60	4.62	4.63	4.64	4.64	4.61	4.55
50.0			4.73	4.85	4.96	5.06	5.14	5.17	5.20	5.22	5.24	5.25	5.22
55.0				5.37	5.50	5.63	5.74	5.77	5.83	5.86	5.90	5.94	5.95
60.0					6.11	6.26	6.40	6.45	6.52	6.58	6.62	6.70	6.75
65.0						6.97	7.14	7.20	7.29	7.37	7.43		
68.0						7.37	7.56	7.63	7.73				

Cond °C	Current at 400 V, A												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	5.71	5.73	5.74	5.73									
20.0	5.85	5.88	5.90	5.90	5.88								
25.0	6.10	6.14	6.18	6.20	6.20	6.18							
30.0	6.38	6.44	6.49	6.53	6.55	6.55	6.52	6.50	6.46				
35.0	6.69	6.77	6.84	6.90	6.95	6.98	6.98	6.97	6.95	6.92	6.89	6.78	
40.0	7.04	7.15	7.25	7.34	7.42	7.47	7.51	7.51	7.51	7.50	7.48	7.41	7.29
45.0		7.59	7.72	7.84	7.95	8.04	8.11	8.13	8.15	8.16	8.16	8.13	8.05
50.0			8.27	8.43	8.57	8.70	8.81	8.84	8.89	8.92	8.94	8.95	8.92
55.0				9.11	9.29	9.46	9.61	9.66	9.73	9.79	9.83	9.89	9.91
60.0					10.12	10.34	10.53	10.60	10.70	10.78	10.84	10.95	11.02
65.0						11.34	11.58	11.67	11.80	11.90	11.99		
68.0						11.91	12.18	12.28	12.42				

Cond °C	Suction Mass Flow, g/s												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
17.0	37.30	45.50	55.10	66.20									
20.0	36.90	45.10	54.70	65.80	78.60								
25.0	36.20	44.40	54.00	65.10	77.90	92.40							
30.0	35.50	43.80	53.40	64.50	77.10	91.60	108.00	115.50	126.50				
35.0	34.90	43.20	52.80	63.80	76.40	90.80	107.00	114.50	125.50	136.00	146.50	170.00	
40.0	34.30	42.60	52.20	63.10	75.60	89.90	106.00	113.00	124.50	134.50	145.50	169.00	195.00
45.0		42.10	51.50	62.40	74.80	88.90	105.00	112.00	123.50	133.50	144.00	167.50	193.50
50.0			50.90	61.60	73.90	87.90	104.00	111.00	122.00	132.00	143.00	166.00	192.50
55.0				60.90	73.00	86.90	103.00	110.00	121.00	131.00	141.50	165.00	191.50
60.0					72.20	86.10	102.00	109.00	120.00	130.00	140.50	164.00	191.00
65.0						85.70	101.50	108.50	120.00	130.00	140.50		
68.0							85.90	102.00	109.00	120.50			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	11.7
Length/Width, mm	245/249
Height, mm	442
Net Weight, kg	39.5
Gross Weight, kg	46
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.89
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	67
Sound Power (HT), dBA	78
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	5.30
High Side PS gauge, bar	46
Low Side PS gauge, bar	28
Low Side TS Max., °C	50
Refrigerant's GWP	2088
Refrigerant's classification	A1

50 Hz

ZH15K1P-TFM

R410A Dew Point

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	15
Locked Rotor Current, A	75
Winding Resistance, ohm	2.27
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFM	380-420 V / 3~ / 50 Hz	400		Y	1.00